

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS  
PATENT OF THE UNITED STATES IS:

5 1. A thermoplastic coating and binding agent  
containing a non-homogeneous mixture of, based on 100% by  
weight of A and B:

10 A) 5-95% of a thermoplastic acrylic plastic with a  
melting temperature above room temperature and below 200°C,  
a glass transition temperature below 120°C, and a melt  
viscosity of 1,000 to 1,000,000 Pa·sec at the melting  
temperature; and

15 B) 95-5 wt% of a flow improver, which, at room  
temperature, is not compatible with the thermoplastic  
acrylic plastic, has a melting temperature above room  
temperature but below 200°C, a molecular weight under  
20,000 d, and a melt viscosity below 100 Pa·sec at the  
melting temperature of the acrylic plastic.

2. The thermoplastic coating and binding agent  
according to Claim 1, which is solidified from a melt  
thereof.

20 3. The thermoplastic coating and binding agent  
according to Claim 1, wherein the thermoplastic acrylic  
plastic A is a copolymer of esters of acrylic and/or  
methacrylic acid.

25 4. The thermoplastic coating and binding agent  
according to Claim 2, wherein the thermoplastic acrylic

plastic A is a copolymer of esters of acrylic and/or methacrylic acid.

5. The thermoplastic coating and binding agent according to Claim 3, wherein the thermoplastic acrylic plastic A is a copolymer of alkyl esters of acrylic and/or methacrylic acid and functional comonomers with covalently bound cationic groups.

6. The thermoplastic coating and binding agent according to Claim 4, wherein the thermoplastic acrylic plastic A is a copolymer of alkyl esters of acrylic and/or methacrylic acid and functional comonomers with covalently bound cationic groups.

7. The thermoplastic coating and binding agent according to Claim 5, wherein the thermoplastic acrylic plastic A is a copolymer of 5 to 99 wt% alkyl esters of acrylic and/or methacrylic acid and 95 to 1 wt% aminoalkyl esters or aminoalkylamides of acrylic and/or methacrylic acid or their salts or quaternary ammonium compounds thereof.

8. The thermoplastic coating and binding agent according to Claim 6, wherein the thermoplastic acrylic plastic A is a copolymer of 5 to 99 wt% alkyl esters of acrylic and/or methacrylic acid and 95 to 1 wt% aminoalkyl esters or aminoalkylamides of acrylic and/or methacrylic acid or their salts or quaternary ammonium compounds thereof.

Sub  
C5  
7 9. The thermoplastic coating and binding agent  
according to Claim 1, wherein flow improver B is a fatty  
alcohol, a fatty acid, an ester of of a fatty alcohol and a  
fatty acid, a sugar, an ester thereof, a fatty acid mono-,  
5 di-, or triglyceride, a polyethylene glycol, a fatty acid  
ester or fatty alcohol ether thereof, a wax, or mixtures of  
any of the above.

10 10. The thermoplastic coating and binding agent  
according to Claim 2, wherein flow improver B is a fatty  
alcohol, a fatty acid, an ester of of a fatty alcohol and a  
fatty acid, a sugar, an ester thereof, a fatty acid mono-,  
di-, or triglyceride, a polyethylene glycol, a fatty acid  
ester or fatty alcohol ether thereof, a wax, or mixtures of  
any of the above.

Sub  
C6  
15 11. The thermoplastic coating and binding agent  
according to Claim 3, wherein flow improver B is a fatty  
alcohol, a fatty acid, an ester of of a fatty alcohol and a  
fatty acid, a sugar, an ester thereof, a fatty acid mono-,  
di-, or triglyceride, a polyethylene glycol, a fatty acid  
20 ester or fatty alcohol ether thereof, a wax, or mixtures of  
any of the above.

12. The thermoplastic coating and binding agent  
according to Claim 4, wherein flow improver B is a fatty  
alcohol, a fatty acid, an ester of of a fatty alcohol and a  
25 fatty acid, a sugar, an ester thereof, a fatty acid mono-,  
di-, or triglyceride, a polyethylene glycol, a fatty acid

ester or fatty alcohol ether thereof, a wax, or mixtures of any of the above.

5 *Sub 7*  
*CT* 13. The thermoplastic coating and binding agent according to Claim 5, wherein flow improver B is a fatty alcohol, a fatty acid, an ester of of a fatty alcohol and a fatty acid, a sugar, an ester thereof, a fatty acid mono-, di-, or triglyceride, a polyethylene glycol, a fatty acid ester or fatty alcohol ether thereof, a wax, or mixtures of any of the above.

10 14. The thermoplastic coating and binding agent according to Claim 6, wherein flow improver B is a fatty alcohol, a fatty acid, an ester of of a fatty alcohol and a fatty acid, a sugar, an ester thereof, a fatty acid mono-, di-, or triglyceride, a polyethylene glycol, a fatty acid  
15 ester or fatty alcohol ether thereof, a wax, or mixtures of any of the above.

*Sub 7*  
*CT* 20 15. The thermoplastic coating and binding agent according to Claim 7, wherein flow improver B is a fatty alcohol, a fatty acid, an ester of of a fatty alcohol and a fatty acid, a sugar, an ester thereof, a fatty acid mono-, di-, or triglyceride, a polyethylene glycol, a fatty acid ester or fatty alcohol ether thereof, a wax, or mixtures of any of the above.

25 16. The thermoplastic coating and binding agent according to Claim 8, wherein flow improver B is a fatty alcohol, a fatty acid, an ester of of a fatty alcohol and a

fatty acid, a sugar, an ester thereof, a fatty acid mono-, di-, or triglyceride, a polyethylene glycol, a fatty acid ester or fatty alcohol ether thereof, a wax, or mixtures of any of the above.

5      17. An oral or dermal medicinal composition  
sub  
C9 7 containing a pharmaceutical active substance and the  
thermoplastic coating and binding agent of Claim 2.

10      18. An oral or dermal medicinal composition  
containing a pharmaceutical active substance and the  
thermoplastic coating and binding agent of Claim 4.

19. An oral or dermal medicinal composition  
containing a pharmaceutical active substance and the  
thermoplastic coating and binding agent of Claim 6.

15      20. An oral or dermal medicinal composition  
containing a pharmaceutical active substance and the  
thermoplastic coating and binding agent of Claim 10.

add  
C10 7